Blazing Performance

Track-tested temperature measurement instrumentation

Digi-Sense® OAKTON®

BLAZE
Technical Services, Inc.

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BLAZE
Technical Services, Inc.

Type K Temperature Probes

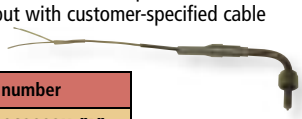
Exhaust Temperature Sensor Harness

¼" diameter with compression fitting cap and sleeve. Capable of withstanding extreme vibration up to 2200°F. Sold as a set of eight type K thermocouples with standard cable length to connector box. Set includes two each of the following lengths: 9", 14", 18", and 23". **062002H-GOLD** features Kapton® wiring for less weight. **062002I** features stainless steel overbraid wiring. Fast response and consistent reading make these temperature sensors the preferred choice of serious competitors. Race track tested and approved by professional race teams, these temperature sensors will give you the data you need without draining your race budget.

Catalog number	
062002I (SS Overbraid Wiring)	**062002H-GOLD,** (Kapton® Wiring)

Individual Exhaust Harness Probe

Purchased as an individual temperature sensor. Same specifications as the Exhaust Temperature Sensor Harness above, but with customer-specified cable length.

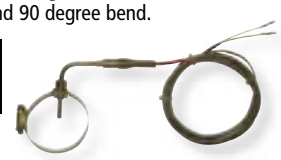


Catalog number
0620021-"L", 062002H-"L" ("L" is customer specified length)

Muffler Clamp Probe

Drill hole in headers. Place the probe through the drilled hole and secure with muffler clamp. Good for headers without a compression fitting welded on. 3⁄16" diameter, 6 foot cable length, and 90 degree bend.

Catalog number
050604C



Exhaust Probe with Compression Fitting

⅛" NPT compression fitting. Adjustable-depth type compression fitting. 3⁄16" diameter, 4 foot cable length, and 90 degree bend.

Catalog number
120203A

ISO 9001:2000 CERTIFIED SUPPLIER

Dear Customers,

Lee Beard, Crew Chief for Don Schumacher Racing, once told me "If you can build a product that can hold up to these cars, it will hold up anywhere." That was five years ago. Today, many of the top NHRA race teams use Blaze temperature probes.

At Blaze Technical Services, Inc., we built our reputation producing sensors rugged enough to withstand extreme heat and punishment, yet sensitive enough to capture the slightest fluctuations in temperature. Blaze has been manufacturing temperature sensors since 1996. We can custom design and build products to meet our customers' unique needs—special orders are not a problem. No matter what industry you are in, Blaze offers a solution to suit your most demanding application.

In keeping with our commitment to produce only the highest quality products, Blaze has maintained ISO 9001-2000 certification since 2003. Look to Blaze to be part of your future.

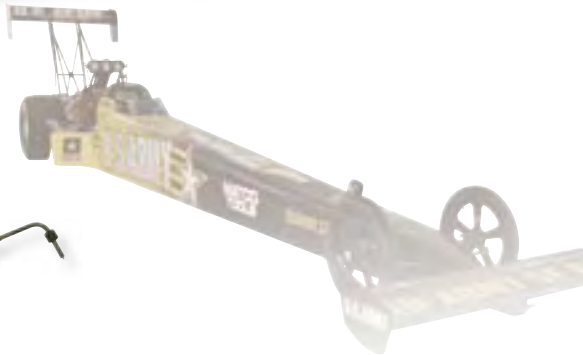
Ralph Hickman

Ralph Hickman
President, Blaze Technical Services, Inc.

Clutch Probe

This probe is used in the exhaust port of the clutch bell housing. Gives quick, accurate data of the clutch temperature during the run. 3⁄16" diameter with ⅛" compression sleeve and nut with mini plug. Plugs into standard data acquisition units.

Catalog number
090303C



Clutch Plate Blade Probe

After warm-up, take clutch plate temperatures quickly and accurately using this blade probe designed to slide down in between clutch plates to check uniformity of temperature. Plugs into any thermocouple meter available in this catalog.

Catalog number
031504A

Test Cable with Alligator Clips

Test your individual thermocouples in the connecting block using this clip-on test cable. A "must-have" for troubleshooting electrical problems. Plugs into any thermocouple meter available in this catalog.

Catalog number
040805N

BLAZING PERFORMANCE

Standard Type K Thermocouple Thermometer

Easy-to-use, four-button design

- **Heavy-duty housing with bright, easy-to-read display**
- **IP54-rated case provides splash and dust resistance**
- **UL-listed intrinsically safe for hazardous locations**

This thermometer features a rugged ABS/polycarbonate plastic case with a sealed silicone rubber keypad for an IP54 rating. Tapered casing design allows for easy one-handed gripping, while maintaining a large, easy-to-read display. Seven-segment character LCD for easy readability and viewing. Large, positive-action buttons are easy to press. Calibration function ensures accuracy and correct temperature measurement at every use. To calibrate meter, simply place probe in a container packed with ice, fill with water, and press the CAL button; meter automatically recognizes the freezing point.

Use the Hold function to freeze readings for later viewing. The built-in tilt stand enables hands-free operation. Select between °F/°C scales. Auto-shutoff helps to save on battery life. Low-battery indication provides power-failure warning. Large, ½" high screen is easy to read, even from a distance. Rear foam padding helps to hold the meter in place on flat and angled surfaces and prevents slipping.

UL-listed intrinsically safe for Class I, Groups A, B, C, and D, Division 1 hazardous locations. Meter operates on two AA batteries (included) and accepts one type K thermocouple probe with mini-connector. Probe sold separately.

What's included: two AA batteries.

ISO9001:2000 CERTIFIED SUPPLIER · ITS-90 · CE · IP54 · UL · Ex · 3 year warranty

Catalog number	Description	Temperature range
WD-60010-10	Type K thermometer	–418 to 2501°F (–250 to 1372°C)

Accessories

WD-08520-05 Carrying case for storage, canvas cloth, holds one meter and probe, with belt-loop clip

WD-91100-90 Carrying case for in-field use, splash-proof vinyl, holds one meter and probe, with belt-loop clip

Specifications

Accuracy: ±0.2% of reading ±0.9°F (0.5°C); above –99.9°F/°C ±0.25% of reading ±2°F (1°C); below –99.9°F/°C
Resolution: 0.1°F/C from –99.9 to 299.9°F/C, 1°F/C outside this range
Display: 4-digit LCD with ⅜" high numerals
Display update rate: every 0.5 second
Power: two AA batteries (included)
Dimensions: 3¼"W x 6¼"H x 1¼"D

Economical Thermometer

Simple to operate, three-button design

- **Accepts type K thermocouple probe**
- **Hold function freezes display's value**
- **°F/°C selectable**

CE · 3 year warranty

This type K thermocouple meter is perfect for any basic temperature measurement application. The seven-segment, ⅞" high display is easy to read, even at a distance. Splash-resistant membrane keypad is easy to clean and wipe down. Auto power-off feature turns meter off after 17 minutes after the last key press to save on battery life. Meter can be calibrated in the field. Low-battery indicator. Accepts any type K thermocouple with miniconnector. Probes sold separately.

What's included: four AAA batteries.

Catalog number	Description	Temperature range
WD-93000-00	Economical type K thermometer	–418 to 2501°F (–250 to 1372°C)

Accessories

WD-35627-80 Protective rubber boot with stand
WD-08520-05 Carrying case for storage, canvas cloth, holds one meter and probe, with belt-loop clip

Specifications

Accuracy: ±0.25% of reading plus 0.9°F (0.5°C) above –99.9°F/C, ±0.25% of reading plus 2°F (1°C) below –99.9°F/°C
Resolution: 0.1°F/°C from –99.9 to 299.9°F/°C; 1°F/°C outside this range
Display: 4-digit LCD with ⅝" high numerals
Display update rate: every 0.5 second
Power: four AAA batteries (included)
Dimensions: 2¾"W x 5¾"H x 1¼"D

Digital Pocket Thermometer

Quickly verify temperatures

CE · 1 year warranty

- **Includes a plastic protective sleeve with pocket clip and a battery**

This thermometer has a water-resistant sealed case—ideal for use with liquids. Features °F/°C selection, Min/Max button, and a 4"L stainless steel tapered probe for penetration into most semi-solid and liquid substances.

Catalog number	Description
WD-90003-00	Digital pocket thermometer

Specifications

Range:
14 to 392°F (–10 to 200°C)
Power: one 1.5 V button cell
Dimensions
Probe: 4⅜"L x 9/64" dia
Head: 1⅞" dia

Blazing Performance

Track-tested temperature measurement instrumentation

Advanced Thermocouple Thermometers

Dual inputs for temperature differential measurements

- **Multi-data display shows both temperatures and temperature differential simultaneously**
- **Memory stores readings with real time and date stamps**

These heavy-duty thermometers feature a rugged ABS/polycarbonate, splash- and dust-resistant plastic case with a sealed silicone rubber keypad for an IP54 rating. Large, positive-action buttons are easy to press. Tapered casing design allows easy one-handed gripping, while maintaining a large, easy-to-read display. Take single, dual, or differential temperature measurements. Record those readings for later documenting or analysis. The multi-data seven-segment character LCD simultaneously indicates the reading of each probe, as well as the differential reading.

Calibration function ensures accuracy and correct temperature measurement at every use. To calibrate the meter, simply place the probe in a container packed with ice, fill with water, and press the CAL button; meter automatically recognizes the freezing point.

Use the Hold function to freeze readings for later viewing. Min/Max button displays the lowest/highest measurement since the meter was powered on. The built-in tilt stand enables hands-free operation. Select between °F/°C scales. Auto-shutoff helps to save on battery life. Low-battery indication provides power-failure warning. Back foam padding helps to hold the meter in place on flat and inclined surfaces and prevents slippage. Uses two AA batteries (included).

Dual J-T-E-K® model takes single, dual, or differential temperature measurements. Nonvolatile memory stores up to 25 sets of readings. 0.1°/1° scalable resolution. Accepts one or two thermocouple type J, T, E or K probes with miniconnectors. Probes sold separately.

DuaLogR® model has all the same features listed above, but also includes datalogging capability to log and document up to 1000 measurements on-site at any location. The data can be downloaded to your computer using the optional RS-232 interface (sold separately at right) and saved in a spreadsheet program. The data is time-and-date stamped to help with data-trending and analysis. Logging interval can be stored by manually pressing the LOG button, or can be set to log automatically every one second to 60 minutes. The 1" tall LCD with triple, four-digit display shows the current, minimum, and maximum measurements. Continuous operation possible with optional AC adapters (order separately). Accepts one or two thermocouple type J, T, E or K probes with miniconnectors. Probes sold separately.

What's included: two AA batteries.

ISO 9001:2000 CERTIFIED SUPPLIER · ITS-90 · CE · IP54 · UL · Ex · 3 year warranty

Dual J-T-E-K® thermometer

DuaLogR® thermometer

Catalog number	Description
WD-60010-40	Dual J-T-E-K thermocouple thermometer
WD-60010-50	DuaLogR thermocouple thermometer

Specifications

Input type and range
J: –328 to 1832°F (–200 to 1000°C)
K: –418 to 2501°F (–250 to 1372°C)
T: –418 to 752°F (–250 to 400°C)
E: –328 to 1832°F (–250 to 1000°C)
Accuracy: ±0.1% of reading ±0.7°F (0.4°C) above –238°F (–150°C); ±0.25% of reading ±2°F (1°C) below –238°F (–150°C)

Dimensions: 3¼"W x 6¼"H x 1¼"D
Resolution: 0.1/1°C below 1000°F/°C, 1° outside this range
Display: three 4-digit LCD with ⅜" and ¼" high numerals
Display update rate: every 0.5 second
Power: two AA batteries (included)

Accessories

WD-08520-05

WD-91100-90

WD-08520-05 Carrying case for storage, canvas cloth, holds one meter and probe, with belt-loop clip

WD-91100-90 Carrying case for in-field use, splash-proof vinyl, holds one meter and probe, with belt-loop clip

WD-91100-52 Adapter, 115 VAC, compatible with DuaLogR model only

WD-91100-85 RS-232 Interface connects to your computer's 9-pin serial port for easy uploading of data. Use with most popular RS-232 programs including Windows®. Compatible with DuaLogR model only

WD-10374-50 Infrared printer is ideal for on-site documentation. Transfer data using infrared light without the use of cables—just position printer within 12" of the top of the thermometer. Set print interval rate from once every three seconds to once every 60 minutes. Includes one roll of paper and four AA batteries. Compatible with DuaLogR model only

WD-10374-52 Replacement printer paper, pack of 6 rolls

Blazing Performance

RTD Thermometers

High-accuracy temperature measurement up to ±0.06°F (±0.03°C)

- **IP54-rated case provides splash and dust resistance**
- **Heavy-duty housing with bright, easy-to-read display**

These thermometers feature a rugged ABS/polycarbonate plastic case with a sealed silicone rubber keypad for an IP54 rating. Casing design is tapered towards the bottom of the meter for comfortable one-handed gripping, while maintaining a large display at the top. Seven-segment character LCD allows easy readability and viewing. Large, positive-action buttons are easy to press. Calibration function ensures accuracy and correct temperature measurement at every use. To calibrate the meter, simply place the probe in a container packed with ice, fill with water, and press the CAL button; meter automatically recognizes the freezing point.

Standard

Advanced

Use the hold function to freeze readings for later viewing. The built-in tilt stand enables hands-free operation. Select between °F/°C scales. Auto-shutoff helps to save on battery life. Low-battery indication provides power-failure warning. Foam padding on back helps to hold the meter in place on flat surfaces and prevents slipping. Meters operate on two AA batteries (included) and accept one 100Ω RTD probe with three-pin connector. Probe sold separately.

Standard model is perfect for any basic temperature measurement application. It features an easy-to-use, four-button design. The large ½" high screen is easy to read, even from a distance. Reliability, quality, and pricing make this the best value.

ITS-90 · ISO9001:2000 CERTIFIED SUPPLIER · CE · 3 year warranty

Advanced model has all the same features listed above, plus datalogging capability to log and document up to 1000 measurements on-site at any location. Download the data to your computer using the optional RS-232 interface (sold separately below) and save in a spreadsheet program. The data is time-and-date stamped to help with data-trending and analysis. Logging interval can be stored by manually pressing the LOG button, or can be set to log automatically every one second to 60 minutes. The 1" high LCD with triple, four-digit display shows the current, minimum, and maximum measurements. Continuous operation is possible with an optional AC adapter (order separately below).

What's included: two AA batteries.

Catalog number	Description
WD-60010-80	Standard Digi-Sense RTD thermometer
WD-60010-85	Advanced Digi-Sense RTD thermometer

Specifications

STANDARD MODEL

Range: –328 to 1562°F (–200 to 850°C)
Resolution: 0.1°F/°C from –148 to 392°F (–100 to 200°C), 1°F/°C outside this range
Accuracy: ±0.4°F (±0.2°C) from –148 to 392°F (–100 to 200°C), ±4°F (±2°C) outside this range
Display: 4-digit LCD with ⅜" high numerals
Display update rate: every 0.5 second
Power: two AA batteries (included)
Dimensions: 3¼"W x 6¼"H x 1¼"D

ADVANCED MODEL

Range: –328 to 2210°F (–200 to 1210°C)
Resolution: 0.01°F/°C from –99.99 to 99.99°F/°C, 1°F/°C above 1000°F/°C, 0.1°F/°C outside this range
Accuracy: ±0.06°F (±0.03°C) for 0.01° resolution, ±0.1°F/°C for 0.1° resolution, ±1°F/°C for 1° resolution
Display: triple 4-digit LCD, ⅜" high for top, ¼" high for bottom
Display update rate: every 0.6 second
Power: two AA batteries (included) or optional AC adapter
Dimensions: 3¼"W x 6¼"H x 1¼"D

Accessories

WD-08520-05 Carrying case for storage, canvas cloth, holds one meter and probe, with belt-loop clip

WD-91100-90 Carrying case for in-field use, splash-proof vinyl, holds one meter and probe, with belt-loop clip

WD-91100-52 Adapter, 115 VAC, compatible with Advanced model only

WD-91100-85 RS-232 interface connects to your computer's 9-pin serial port for easy uploading of data. Use with most popular RS-232 programs including Windows®. Compatible with Advanced model only

Thermohygrometer

Simultaneously display temperature, humidity, and dew point

- **IP54 rating protects against dust and splashes**
- **Single- or dual-point calibration provides ultimate accuracy**

This industrial-grade thermohygrometer offers the unique feature of displaying temperature, humidity, and dew point simultaneously—eliminating the need to switch screen displays. The impact-resistant, IP54-rated design protects the meter from dust, particles, and water. The ergonomic design provides comfort during measurement, and features a sealed silicone rubber keypad.

Features selectable °F/°C readings, hold function, single- or dual-point temperature and humidity calibration, low-battery indication, and a built-in tilt stand.

What's included: probe and two AA batteries. Optional AC adapter sold separately at right.

ISO9001:2000 CERTIFIED SUPPLIER · 1 year warranty · CE · DEW POINT

Specifications

Range
RH: 0 to 100%
Temp: –40 to 140°F (–40 to 60°C)
Dew point: –130 to 140°F (–90 to 60°C)

Resolution
RH: 0.1%
Temp: 0.1°F/°C
Dew point: 0.1°F/°C

Dimensions
Meter: 3"W x 6"H x 1"D,
Probe: 10"L x 0.5" dia

Accuracy
RH: ±2%
Temp: ±1°F (±0.5°C)
Dew point: —

Response time: 4 seconds

Sensor
RH: capacitance film
Temperature: thermistor

Power: two AA batteries (included)

Catalog number	Description
WD-60020-40	Thermohygrometer with dew point

WD-60020-62 Replacement RH/temperature probe, 3-ft cable
WD-91100-52 AC adapter, 115 VAC

BLAZING PERFORMANCE

12-Channel Scanning Thermometer

Stores and recalls up to 4680 sets of readings with time and date

- **Automatically or manually display, record, and output temperature readings**
- **Field calibrate each probe separately—achieve accuracies of ±0.1% of reading!**
- **Bidirectional RS-232 for setup or PC datalogging**

Benchtop 12-channel scanning thermometer

The 12-channel scanning thermometer is your best choice when simultaneous monitoring of temperatures during different processes or phases is critical. Portable unit accepts most any power source giving you great flexibility as to where and when it may be used. Functions as a datalogger—store data in nonvolatile memory and later download to your printer or PC. Link up to eight of either model in series to expand the number of channels you can scan for a maximum of 96 channels. Each of the 12 thermocouple inputs are programmable to scan from every four seconds to every hour. Graph in real time—use CD-ROM software (included). Includes a real-time clock and nonvolatile memory. RF immunity—maintains accuracy in RF fields.

Parallel printer connection allows you to connect the thermometer to a printer—make a hard copy of your data as a permanent record. Power unit with included 115 VAC adapter or use with any 10 to 28 VDC or 7 to 20 VAC 500 mA power supply.

Instrument Features—Scan and log up to 12 thermocouple inputs from any combination of type J and K thermocouple probes. All thermocouple types are individually selectable per channel. Accepts thermocouple probes with miniconnectors for quick and easy probe changes. Records temperature data sequentially so that process variations and thermal profiling can be monitored. Datalogging feature automatically stores up to 4680 sets of readings and then allows the data to be downloaded to a computer. Up to eight units can be linked together for a maximum channel capacity of 96.

The easy-to-use front panel menu keys allow the user to program datalogging and print intervals, scan rates, date and time, temperature scales (°F, C, K, or R), resolution (0.1° or 1°), channels displayed, thermocouple type, and data output parameters. Each channel features HOLD, STORE, MIN and MAX, RECALL, and AVERAGE buttons. All channels can be calibrated in the field at one or two points to ensure accuracy.

Multiple Safety Features—Thermocouple probes are electrically isolated from each other and data outputs to provide safe and accurate measurements even when probes are exposed to harsh electrical conditions. Each channel offers high and low audible alarm selectable set points.

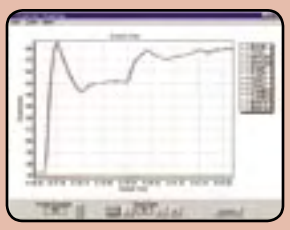
Physical Features—Easy-to-read, ¾" high, 14-segment, 12-character alphanumeric LCD indicates channel number or name, temperature reading, temperature scale, open probe conditions, and out-of-range readings.

Computer/Printer Capabilities—RS-232 serial communication compatible. Software allows data to be downloaded to a computer and then displayed in real-time tabular or graphical format (software and cable included). Optional parallel printer cable enables scanner to be connected directly to a printer, without using a computer. Datalogging and printing intervals can be set from four seconds to 99 minutes, 59 seconds.

What's included: software and cable.

ISO 9001:2000 CERTIFIED SUPPLIER CE 2 year warranty

Back view; accepts any type J or K thermocouple probe with ANSI miniconnectors



Live, real-time graphs auto-adjust the time on the Y-axis

View channel temperature—push the "virtual buttons" to change thermometer functions

FREE Real-Time Logging Software

Unit includes FREE Windows® 95/98NT/2000/XP-compatible software on CD-ROM that controls and displays up to 12 scanners simultaneously. Logged data may be saved to a file and imported into spreadsheet or word processor. Live updating graph shows time and temperature!

Catalog number	Description
WD-69200-00	12-channel scanning thermometer

Accessories

WD-22050-04 Parallel printer cable, 36M/DB25M

Specifications

Input type and range
J: –392 to 1832°F (–200 to 1000°C)
K: –418 to 2501°F (–250 to 1372°C)

Accuracy: ±0.8°F (±0.5°C), and ±0.1% of reading above –238°F (–150°C), ±2°F (±1°C), and ±0.25% of reading below –238°F (–150°C)

Resolution: 0.1°/1° selectable up to 999.9°; 1° above 1000°; autorange to 1° below –150°C

Display: 12-character alphanumeric LCD

Display update rate: 3 seconds/channel

Scan rate: from 4 seconds to 99 minutes, 59 seconds

Digital output: RS-232, ASCII format, baud rate 19.2 K, RJ11 connector; Centronics parallel printer output; DB25F connector

Power: 115 or 230 VAC adapter (included); 10 to 28 VDC or 7 to 20 VAC 500 mA power supply

Dimensions: 10½"W x 3½"H x 7½"D

BLAZING PERFORMANCE

35639-20

Laser targets your measuring area.

InfraPro® Infrared Thermometers

Quick temperature measurement of difficult to reach or moving objects

- **Single, extra-bright laser targets your measurement area**
- **InfraPro 3 and 4 log readings and feature an RTD input to take contact temperatures**

ISO9001:2000 CERTIFIED SUPPLIER · CE · 1 year warranty

Rugged enough for industrial use, yet compact and lightweight enough to be carried around with you, these infrared thermometers are extremely easy to use: just aim, pull the trigger, and read the display. The 4½-digit backlit display shows temperature readings in °F or °C; low-battery indication; and hold, scan, and max. Display holds for 7 seconds. Underrange and overrange conditions are also indicated on the display.

Advanced models 35639-20 and -30 indicate max, min, dif, avg, emissivity, high alarm, low alarm, probe, log, and recall. Other features include an RTD input, 12 datalogging points, adjustable emissivity, and a rubber grip and nose that improve resistance to shock, damage, water, and dust. Extra-bright laser is visible in indoor and outdoor applications.

What's included: one 9 V battery and a hard carrying case.

Specifications

Catalog number	WD-35639-00	WD-35639-20	WD-35639-30
Description	InfraPro 1	InfraPro 3 advanced	InfraPro 4 advanced
Range	–25 to 999°F (–32 to 535°C)	–25 to 1100°F (–32 to 600°C)	–25 to 1400°F (–32 to 760°C)
Resolution	0.5°F (0.2°C)	0.1°F (0.1°C)	0.1°F (0.1°C)
Accuracy	±1% of the reading or ±2°F (±1°C) whichever is greater		
Response time	500 msec		
Emissivity	Fixed at 0.95	0.10 to 1.00	0.10 to 1.00
Laser sighting	Class II laser	Class II laser	Class II laser
Distance-to-target	12:1	30:1	50:1
Contact probe	—	Optional	Optional
Power	One 9 V battery (included)		
Dimensions	8"L x 6"W x 2"H		

Accessories

WD-35629-90 Soft carrying case with integral belt loop and Velcro® closure

Mini TempTestr® IR Thermometer

Economical, and fits right in your pocket!

This pocket-sized infrared thermometer takes surface temperature readings of any liquid, solid, or semisolid in less than one second. Operation is simple—turn it on, point at sample, and take reading. Features include switchable °F/°C display, Hold function, Min/Max memory readings, adjustable emissivity, low-battery indication, flip-open stand, and soft touch keypad.

What's included: metal storage case, wrist strap, and one 3 V battery.

1 year warranty

Catalog number	Description
WD-39642-00	Mini TempTestr® IR thermometer

Specifications

Range: –27 to 428°F (–33 to 220°C)
Accuracy: ±2% of reading or ±4°F (±2°C), whichever is greater
Response time: 1 sec
Emissivity: adjustable from 0.01 to 1.00
Laser sighting: none
Distance-to-target size ratio: 1:1
Power: one 3 V battery (included)
Dimensions: 2½"L x 1½"W x ½"H

TempTestr® IR Thermometer

Ergonomic design allows for easy gripping and one-handed operation

- **Laser sighting pinpoints your exact target area**

Taking temperature measurements has never been easier—just point the thermometer at your target and push one button! The TempTestr IR thermometer is ideal for anywhere you need to quickly and accurately measure surface temperatures. Results in under ½ second. Hold function freezes reading for seven seconds.

What's included: one 9 V battery.

ISO9001:2000 CERTIFIED SUPPLIER · CE · 1 year warranty

Catalog number	Description
WD-35626-10	TempTestr® IR thermometer

Accessories

WD-35625-80 Carrying case for TempTestr IR thermometer

Specifications

Range: 0 to 500°F (–18 to 260°C)
Accuracy: ±2% or ±3°F (2°C) from 77 to 500°F (25 to 260°C); ±5°F (3°C) from 30 to 77°F (–1 to 25°C);±7°F (4°C) from 0 to 30°F (–18 to –1°C)
Response time: 500 msec, 95% response
Emissivity: preset at 0.95
Laser sighting: Class II
Distance-to-spot-size ratio: 6:1
Power: one 9 V battery (included)
Dimensions: 7¼"L x 1¾"W x 1½"H

BLAZING PERFORMANCE

Digi-Sense®

Typical Racing Applications

- Measure tire and rack temperatures
- Monitor brake temperatures
- Measure cylinder performance via exhaust port
- Assess universal or constant velocity joint performance
- Diagnose cooling system performance

Palm-Sized Infrared Thermometer

Compact design fits perfectly in your hand and pocket

- **Laser sighting and adjustable emissivity at an economical price**

This infrared thermometer provides quick and accurate temperature measurements. View the current temperature, temperature scale (°F or °C), and battery life icon on the large LCD. Two battery compartments provide power to the thermometer and laser separately. This gives you the flexibility to measure temperature without the laser sighting if the laser battery is weak. Other features include selectable °F/°C, min/max measurements, lock function for continuous monitoring, automatic data hold, auto off, and battery-life icon.

What's included: two CR2032 batteries. CE 1 year warranty

Catalog number	Description
WD-39643-00	Palm-sized infrared thermometer

Specifications

Range: –27 to 482°F (–33 to 250°C)
Accuracy: ±2% or ±3.6°F (±2°C)
Response time: 1 sec, 90% response
Emissivity: adjustable from 0.5 to 1
Laser sighting: Class II
Distance-to-target size ratio: 8:1
Power: two CR2032 batteries (included)
Dimensions: 4½"L x 2"W x ¾"H

IR Thermometer with Type K Input

Displays infrared and contact temperatures simultaneously

- **Bright, amber backlight is ideal when measuring in low-lit areas**

Measure infrared and contact temperature with this thermometer. Meter has a thermocouple port to accommodate a type K thermocouple when contact temperature is a must (thermocouple sold separately). The adjustable emissivity provides greater measurement capabilities for a wider selection of surface measurements. The Class II laser sighting has the capability of being turned off in applications where the laser is unnecessary.

The LCD simultaneously displays the current temperature in °F or °C, the pre-selected emissivity, the laser scan, and battery life icons. Other features include min/max and average, min/max differential, lock function for continuous measurement, high and low audible and visual alarm limits, automatic data hold, and auto off.

What's included: two AAA batteries. CE 1 year warranty

Catalog number	Description
WD-39644-00	IR thermometer with type K input

Specifications

Range
Infrared: –76 to 932°F (–60 to 500°C)
Contact (with optional thermocouple): –83.2 to 1999°F (–64 to 1400°C)
Accuracy
Infrared: ±2% or ±3.6°F (±2°C)
Contact (with optional thermocouple): ±1% or ±1.8°F (±1°C)
Response time: 1 sec, 90% response
Emissivity: adjustable from 0.1 to 1
Laser sighting: Class II
Distance-to-target size ratio: 11:1
Power: two AAA batteries (included)
Dimensions: 3"L x 1½"W x 6"H

Use as either an IR or contact thermometer

***Noncontact infrared (IR) thermometers** use infrared technology to quickly and conveniently measure the surface temperatures of objects. They provide fast temperature readings without physically touching the object. You simply aim, pull the trigger, and read the temperature on the LCD!*

ISO 9001:2000 CERTIFIED SUPPLIER

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